



**PROSPER EDUCATIONAL CONCERN**  
**TERM III ASSESSMENT 2024**  
**PRIMARY SEVEN**  
**MATHEMATICS**

\*For Better Performance\*

Time allowed 2 hours 30 minutes

INDEX NO:  EMIS  Personal No.

Candidate's Name:.....

Candidate's Signature:.....

Candidate's School:.....

District Name:.....

**READ THE FOLLOWING INSTRUCTIONS CAREFULLY**

For Examiners'  
Use Only

| PAGES    | MARKS | SIGN |
|----------|-------|------|
| page - 1 |       |      |
| page - 2 |       |      |
| page - 3 |       |      |
| page - 4 |       |      |
| page - 5 |       |      |
| page - 6 |       |      |
| page - 7 |       |      |
| page - 8 |       |      |
| page - 9 |       |      |
| TOTAL    |       |      |

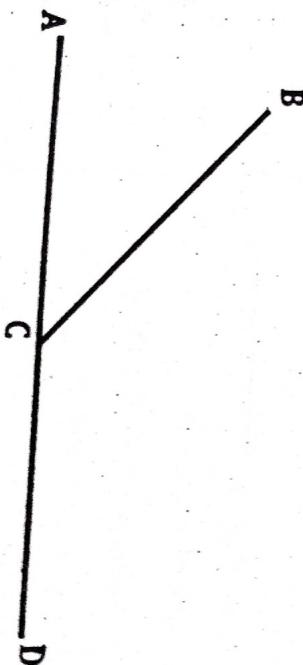
1. The paper has two sections A&B  
Section A has 20 short Questions (40 marks)
2. Answer All Questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball-point pen or fountain pen.
4. Diagrams should be drawn in pencil.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks
6. Do not fill any thing in the boxes shown "for Examiners' use only" and those inside the Question paper.



ORGANISED BY PROSPER EDUCATIONAL CONCERN (KAMPALA).  
CONTACTS: 0787-360165 /0703 736 500

**SECTION A (40 MARKS)**

| 1.            | Workout $120 \times 8$  | 2.            | Given that set $M = \{ \text{prime numbers between } 0 \text{ and } 20 \}$ . Find $n(M)$ .                     |    |   |   |              |    |    |    |    |  |  |
|---------------|---|---------------|--|----|---|---|--------------|----|----|----|----|--|--|
| 3.            | Find the next number in the sequence<br>1, 3, 7, 13, _____  | 4.            | Work out:<br>$\begin{array}{r} 3 & 1 & 2 \text{ five} \\ + 2 & 0 & 3 \text{ five} \\ \hline \end{array}$ _____ |    |   |   |              |    |    |    |    |  |  |
| 5.            | Study the table below and find the median.  |               |  |    |   |   |              |    |    |    |    |  |  |
|               | <table border="1"><thead><tr><th>No. of pupils</th><th>1</th><th>3</th><th>2</th><th>1</th></tr></thead><tbody><tr><td>Marks scored</td><td>30</td><td>15</td><td>25</td><td>10</td></tr></tbody></table> | No. of pupils | 1  | 3  | 2 | 1 | Marks scored | 30 | 15 | 25 | 10 |  |  |
| No. of pupils | 1   | 3             | 2  | 1  |   |   |              |    |    |    |    |  |  |
| Marks scored  | 30  | 15            | 25   | 10 |   |   |              |    |    |    |    |  |  |
| 6.            | Using a ruler, a pencil and a pair of compasses only, bisect angle $BCD$ below.   |               |  |    |   |   |              |    |    |    |    |  |  |



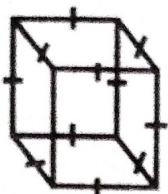
7.

What name is given to a regular polygon whose interior angle sum is  $900^{\circ}$ ?

8. Change  $25\text{m/sec}$  into  $\text{km/hr}$ .

9. Increase 45 pupils by  $66\frac{2}{3}\%$ .

10. Study the figure below carefully. If the base area of the cube below is  $9\text{dm}^2$ , calculate the total surface area.



11. Work out:  $7 \times 9 \div 3$

12. Mr. Omolo sold 250 millilitres milk.  
How much money would one pay for  
one litre of milk If a packet costs  
sh.1,800

13. In a class, there are 45 boys and 25  
girls. Find the ratio of girls to the  
whole class.

14.

Given the exchange rates below:

1 USD costs UG sh. 3,600

1 KSH Costs UG sh. 36

Workout the cost of 9 mattresses in US dollars. If it costs UG sh. 108,000

15.

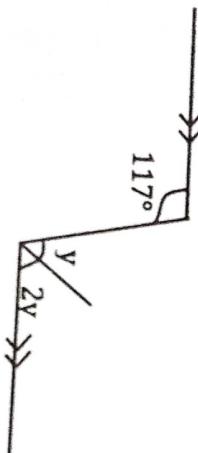
A parent's meeting at Kampala Parents P/S started at 11:50am. If it lasted  $2\frac{1}{2}$  hours. At what time did it end?

16.

$$\text{Solve } 2^{2k} \times 4 = \frac{1}{256}.$$

17.

In the diagram below, find the value of  $y$ .



18.

A trader deposited sh.600,000 in Iteso cultural union SACCO that offers a simple interest rate of 10% per month for 4 months. Calculate his simple interest.

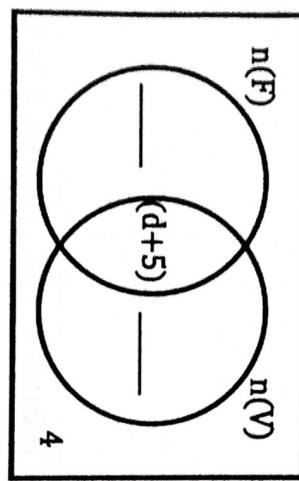
19. A man was born in 29BC and died in 51AD. How old was the man before his death?

20. Hawa is two thirds as old as Aisha. Aisha is  $(n)$  years old. The product of their age is 24 years. How old is Aisha?

**SECTION B:**

21. In a market, 27 traders sell fruits (F) only,  $(d+10)$  traders sell vegetables (V) only.  $(d+5)$  traders sell both fruits and vegetables, while 4 traders sell other items.

- a) Use the above information to complete the Venn diagram **(02 marks)**



- b) If 29 traders sell vegetables, find the value of  $d$ . **(02 marks)**

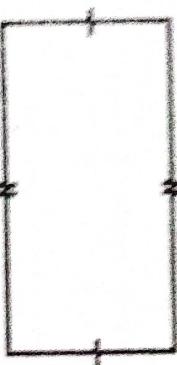
- c) How many traders sell only one item? **(02 marks)**

22. a) Add: 
$$\begin{array}{r} 1 & 2 & 1 \\ & + & 2 \\ \hline 2 & 2 & \text{three} \end{array}$$
 **(02 marks)**

\_\_\_\_\_

|     |    |  |
|-----|----|--|
|     | b) | Given that $101_m = 1101_{\text{three}}$ . Find the value of the base represented by letter m.<br><b>(03 marks)</b>  |
| 23. | a) | Find the number which has been expanded below<br>$(3 \times 10^2) + (5 \times 10^{-2})$ (02 marks)   |
|     | b) | Sixty six poles are fixed in a straight line along one side of a road. The poles are fixed at an interval of 10 metres. Calculate the length of the road.<br><b>(02 marks)</b> |
| 24. | a) | Work out $4p^3 \div p^2$ . (02 marks)  |
|     | b) | Express $3^4 \times 3^1 \times 3^2$ in a short form.<br><b>(02 marks)</b>  |
| 25. | a) | The second consecutive odd number is 37. Find the first and fourth odd numbers.<br><b>(03 marks)</b>   |
|     | b) | What is the sum of the four consecutive odd numbers?<br><b>(02 marks)</b>  |

25. The length and width of a rectangle below are in the ratio of 5:3 respectively.



If the perimeter of the above figure is 48cm, find its area.

(06 marks)

27. The bill below was prepared by Sharon to buy items from a shop. Study it carefully and find the missing parts. (05 marks)

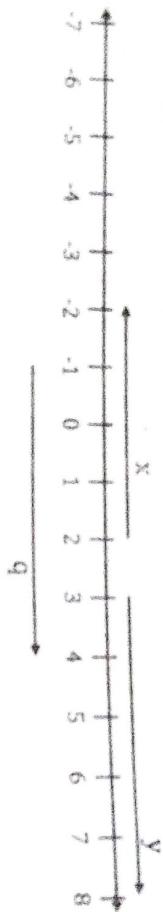
| ITEM   | QUANTITY          | UNIT COST       | TOTAL     |
|--------|-------------------|-----------------|-----------|
| Rice   | 3kg               | Sh.2,800 per kg | Sh. _____ |
| Meat   | $2\frac{1}{2}$ kg | Sh. _____       | Sh.25,000 |
| Sugar  | _____             | Sh.3,200 @kg    | Sh.9,600  |
| Banana | _____ bunch       | Sh.1,500        | Sh.15,000 |
| Total  |                   | Sh. _____       |           |

a) Find Sharon's change, if she went with sh.60,000.

(01 mark)

28. a) Give the value of x, y, q.

(03 marks)



b) Simplify  $-3 + 8$

(02 marks)

29.

a) A kilometer is about  $\frac{5}{8}$  of a mile. If a taxi travelled  $\frac{3}{4}$  of a mile.  
How many kilometers did it cover?

(02 marks)

b) Write in figures: Four hundred ninety seven and sixty three hundredths. (02 marks)

30. a) With the help of a ruler and a pair of compasses only, construct a triangle **ABC** in which angle **ABC** is  $120^\circ$ , line **AB** = line **BC** = 6cm. (04 marks)

(01 mark each)

b) Measure:

i) line **AC** = \_\_\_\_\_

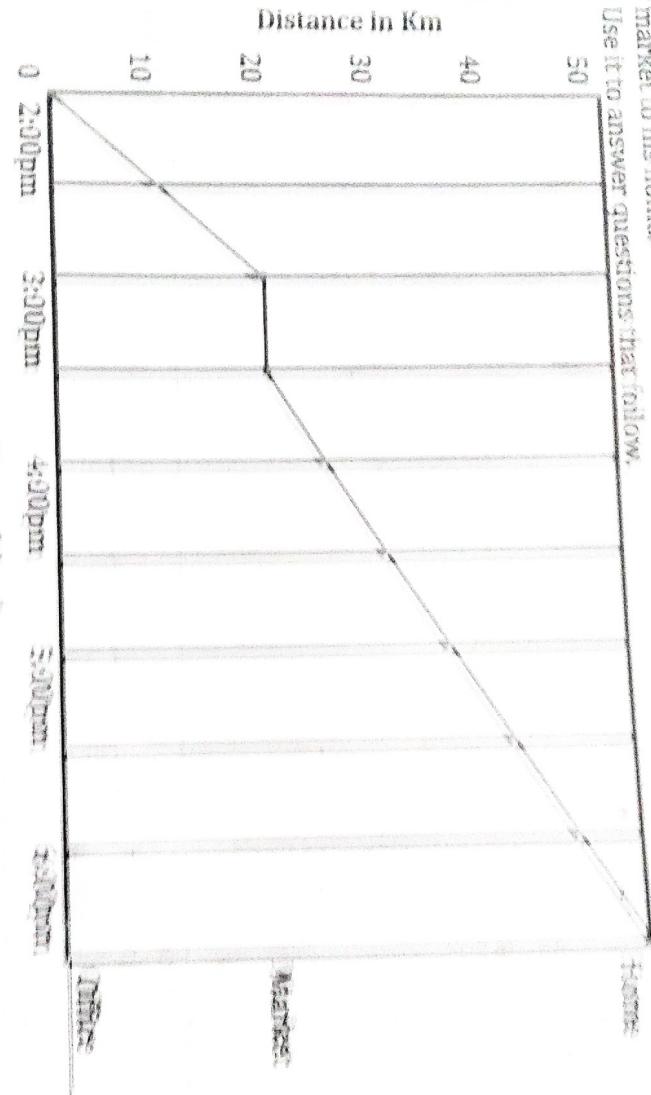
ii) angle **BAC** = \_\_\_\_\_

31. a) Jonathan is 8 years younger than Fauza. Their total age is 24 years. How old is Fauza? (02 marks)

(02 marks)

b) Solve  $\frac{8}{n} + 5 = 9$ .

32. The travel graph below shows Mr. Angissa's journey from his work place to the market to his home.  
Use it to answer questions that follow.



- a) At what time did Mugisha arrive at the market? (1 mark)
- b) For how long did Mugisha stop at the market? (1 mark)
- c) How far is the market from Mugisha's home? (1 mark)
- d) Calculate Mugisha's average speed for the whole journey. (2 marks)